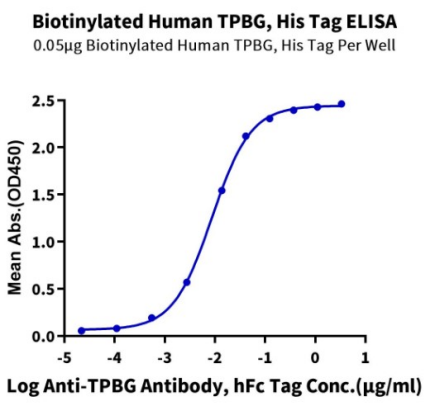
Bioactive CellTx™ HuPro®

TPBG (Human) Recombinant Protein (Biotin)

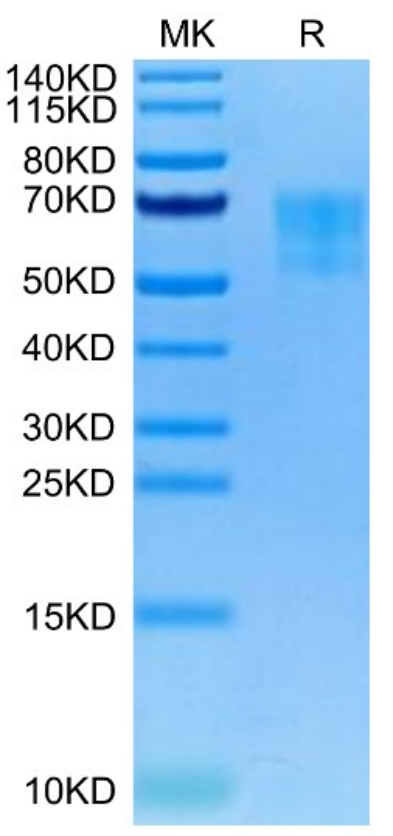
Catalog # P10340 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

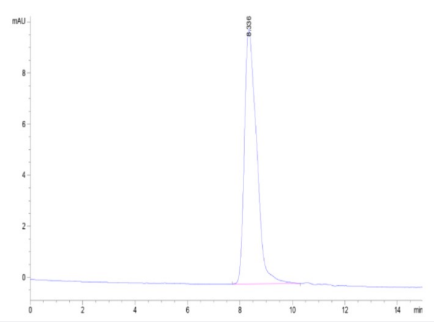
Immobilized Biotinylated Human TPBG, His Tag at 0.5 ug/mL (100 uL/well) on streptavidin (5 ug/mL) precoated plate. Dose response curve for Anti-TPBG Antibody, hFc Tag with the EC_{50} of 8.7 ng/mL determined by ELISA.



Tris-Bis PAGE

Biotinylated Human TPBG on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

Copyright © 2023 Abnova Corporation. All Rights Reserved.



SEC-HPLC

The purity of Biotinylated Human TPBG is greater than 95% as determined by SEC-HPLC.

Specification

Product Description	Human TPBG (Q13641-1, Ser32-Ser355) partial recombinant protein with His-Avi tag at the C-Terminus expressed in HEK293 cells.
Sequence	Ser32-Ser355
Host	Human
Theoretical MW (kDa)	38.2
Reactivity	Human
Form	Lyophilized
Conjugation	Biotin
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% by Tris-Bis PAGE > 95% by HPLC
Endotoxin Level	< 0.1 EU per 1 ug as determined by the LAL method.
Activity	The EC_{50} was 8.7 ng/mL, measured by ELISA at 0.5 ug/mL.
Recommend Usage	Biological Activity ELISA Tris-Bis PAGE SEC-HPLC The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.22 um filtered solution in PBS, pH 7.4. (8% trehalose).
Storage Instruction	Store at -20°C for 12 months. After reconstitution, store at 4°C for 2-7 days, or store at -80°C for 3-6 months. Aliquot to avoid repeated freezing and thawing.
Note	Please use within one month after protein reconstitution.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Applications

- Functional Study

- Enzyme-linked Immunoabsorbent Assay

  Immobilized Biotinylated Human TPBG, His Tag at 0.5 ug/mL (100 uL/well) on streptavidin (5 ug/mL) precoated plate. Dose response curve for Anti-TPBG Antibody, hFc Tag with the EC_{50} of 8.7 ng/mL determined by ELISA.

Gene Info — TPBG

Entrez GeneID	7162
Protein Accession#	Q13641-1
Gene Name	TPBG
Gene Alias	5T4, 5T4-AG, M6P1
Gene Description	trophoblast glycoprotein
Omim ID	190920
Gene Ontology	Hyperlink
Other Designations	5T4 oncofetal trophoblast glycoprotein|5T4-antigen|OTTHUMP00000016786

Copyright © 2023 Abnova Corporation. All Rights Reserved.